



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,336	07/01/2004	Heng-Chien CHEN	TRAP0010USA	4335

27765 7590 09/11/2007
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION
P.O. BOX 506
MERRIFIELD, VA 22116

EXAMINER

PATEL, CHANDRAHAS B

ART UNIT	PAPER NUMBER
----------	--------------

2616

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

09/11/2007

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com
Patent.admin.uspto.Rcv@naipo.com
mis.ap.uspto@naipo.com.tw

Office Action Summary	Application No. 10/710,336	Applicant(s) CHEN, HENG-CHIEN	
	Examiner Chandrabhas Patel	Art Unit 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 3, 4, 6, 8, 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Stoeckl et al. (USPN 7,113,513).

Regarding claim 1, Stoeckl teaches a network system **[Fig. 1]** comprising: a first network device having a first MAC address **[Fig. 1, R1 – MAC1]**; a second network device having a second MAC address for transmitting a data to the first network device **[Fig. 1, R2, MAC2]**; a first IP-based device having a first IP address and being connected to the first network device for transmitting the data to the first network device through the first MAC address **[Col. 7, lines 10-21, Fig. 1, data with address IPB is sent]**; a second IP-based device having a second IP address and being connected to the second network device for receiving the data outputted from the second network device through the second MAC address **[Fig. 1, PCB receives data addressed to IPB]**; and a host having a predetermined IP address and being connected to the first IP-based device and the second IP-based device through the predetermined IP address, the first IP address, and the second IP address, the host comprising a look-up table for recording the first MAC address mapping to the first IP address **[Fig. 2, Col. 6, lines 59-67 – Col. 7, lines 1-**

Art Unit: 2616

2]; wherein the second IP-based device checks the look-up table for directing the data to the first IP-based device [Col. 7, lines 26-32].

Regarding claim 3, Stoeckl teaches the first and second IP addresses are allocated by the host [Col. 6, lines 36-40].

Regarding claim 4, Stoeckl teaches the IP-based devices comprise a routing table for recording the MAC address [Col. 7, lines 15-21].

Regarding claim 6, Stoeckl teaches a connecting method of a network system [Fig. 1] comprising: providing a first network device having a first MAC address [Fig. 1, R1 – MAC1]; providing a second network device having a second MAC address for transmitting a data to the first network device [Fig. 1, R2, MAC2]; providing a first IP-based device having a first IP address for transmitting the data to the first network device through the first MAC address [Col. 7, lines 10-21, Fig. 1, data with address IPB is sent]; providing a second IP-based device with a second IP address for receiving the data outputted from the second network device through the second MAC address [Fig. 1, PCB receives data addressed to IPB]; providing a host with a predetermined IP address and connecting the host to the first IP-based device and the second IP-based device through the predetermined IP address, the first IP address, and the second IP address; and recording the first MAC address mapping to the first IP address [Fig. 2, Col. 6, lines 59-67 – Col. 7, lines 1-2] in the host for directing the data to the first IP-based device [Col. 7, lines 26-32].

Regarding claim 8, Stoeckl teaches utilizing the host for allocating the first and the second IP addresses [Col. 6, lines 36-40].

Art Unit: 2616

Regarding claim 9, Stoeckl teaches utilizing the IP-based devices for recording the MAC address [Col. 7, lines 15-21].

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stoeckl et al. (USPN 7,113,513) in view of Sugai et al. (USPN 7,167,474).

Regarding claims 2 and 7, Stoeckl teaches the system as discussed in rejection of claim

1.

However, Stoeckl does not teach the second network device transmits the data to the first network device, the second network device encloses the data with the first MAC address and the second MAC address in a first packet to transmit to the second IP-based device, the second IP-based device encloses the first packet with the first IP address and the second IP address in a second packet to transmit to the first IP-based device, the first IP-based device removes the first IP address and the second IP address from the second packet to form a third packet and transmits the third packet to the first network device, and the first network device extracts the data from the third packet.

MeLampy teaches the second network device transmits the data to the first network device, the second network device encloses the data with the first MAC address and the second MAC address in a first packet to transmit to the second IP-based device, the second IP-based

Art Unit: 2616

device encloses the first packet with the first IP address and the second IP address in a second packet to transmit to the first IP-based device, the first IP-based device removes the first IP address and the second IP address from the second packet to form a third packet and transmits the third packet to the first network device, and the first network device extracts the data from the third packet **[Fig. 4A, 401 has source and destination MAC address, 402 has IP source and destination address, Payload portion is removed by receiving device, Col. 7, lines 15-34]**.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to include source and destination IP and MAC address so that routing manager can update routing information based on the header information **[Col. 1, lines 50-54]**.

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stoeckl et al. (USPN 7,113,513) in view of Bianchi (USPN 7,225,334)

Regarding claim 5, Stoeckl teaches a network system as discussed in rejection of claim 1.

However, Stoeckl does not teach the host is a PBX host, and the first and the second network devices are PBX extensions.

Bianchi teaches the host is a PBX host, and the first and the second network devices are PBX extensions **[Col. 11, lines 48-56]**.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have a PBX host so that availability of caller, authorization etc. can be provided **[Col. 11, lines 53-56]**.

Art Unit: 2616

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chandrahas Patel whose telephone number is 571-270-1211. The examiner can normally be reached on Monday through Thursday 7:30 to 17:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CBP


RICKY Q. NGO
SUPERVISORY PATENT EXAMINER